

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)
2. **(currently amended)** The multimedia mobile communication system as claimed in claim [[1]] 3, wherein the hand-off signal transmitted to the hybrid access terminal from the EV-DO system includes [[a]] the traffic channel assignment signal having a sequence number of a neighbor base station and an acknowledge signal for a reverse traffic channel.
3. **(currently amended)** A multimedia mobile communication system for recovering an EV-DO system from hand-off fail, the multimedia mobile communication system comprising:
 - a hybrid access terminal making communication with the EV-DO system and a 1x system in order to transmit/receive voice signals or data, transmitting a route update signal to the EV-DO system while a multimedia service is being transmitted thereto from the EV-DO system, and performing a hand-off by transmitting a hand-off response signal to the EV-DO system when a hand-off signal is transmitted thereto from the EV-DO system;
 - a 1x transceiver for transmitting/receiving a voice signal or data to/from the hybrid access terminal;
 - a 1x controller for controlling a transmission service of the 1x transceiver;
 - a mobile switching center for providing a communication access route of the 1x system with respect to a communication call from the hybrid access terminal by switching the

communication access route;

an EV-DO access network transceiver subsystem for transmitting/receiving packet data to/from the hybrid access terminal;

an EV-DO access network controller controlling a packet data transmission service of the EV-DO access network transceiver subsystem, receiving the route update signal from the hybrid access terminal while the multimedia service is being transmitted to the hybrid access terminal from the EV-DO access network transceiver subsystem, transmitting a traffic channel assignment signal to the hybrid access terminal in response to the route update signal, and re-transmitting the traffic channel assignment signal to the hybrid access terminal if a response signal (L2ACK) is not transmitted thereto from the hybrid access terminal, thereby performing the hand-off; and

a packet data serving node connected to the EV-DO access network controller so as to transmit/receive the packet data to/from the EV-DO system;

~~The multimedia mobile communication system as claimed in claim 1,~~ wherein, if the response signal (L2ACK) is not transmitted to the EV-DO system from the hybrid access terminal in traffic with the EV-DO system even though the EV-DO system has transmitted the traffic channel assignment signal to the hybrid access terminal, the EV-DO system again transmits the traffic assignment signal to the hybrid access terminal, and if the EV-DO system receives the response signal (L2ACK) from the hybrid access terminal in response to the traffic channel assignment signal, the EV-DO system transmits an acknowledge signal for a reverse traffic channel to the hybrid access terminal, and then, re-transmitting the traffic channel assignment signal to the hybrid access terminal if a traffic channel completion signal is not transmitted to the EV-DO system from the hybrid access terminal, thereby performing the hand-off.

4. **(currently amended)** The multimedia mobile communication system as claimed in claim [[1]] 3, wherein the hybrid access terminal receiving the multimedia data from the EV-DO system is periodically switched into an 1x mode in a predetermined period of time so as to

check whether or not voice signals are received through the 1x system, and returns to an EV-DO mode.

5. **(currently amended)** The multimedia mobile communication system as claimed in claim [[1]] 3, wherein, in a case of a forward link transmitting data from the EV-DO system to the hybrid access terminal, a TDMA (time division multiple access) method is utilized so as to transmit a great amount of data, and in a case of a reverse link transmitting data from the hybrid access terminal to the EV-DO system, a CDMA (code division multiple access) method is utilized for a plurality of subscribers.

6. **(currently amended)** A method for recovering an EV-DO system from hand-off off fail in a multimedia mobile communication system, the method comprising ~~the steps of:~~

[[a)] performing a packet data transmission between the EV-DO system and a hybrid access terminal in traffic with the EV-DO system;

[[b)] transmitting a route update signal for a hand-off from the hybrid access terminal to the EV-DO system;

[[c)] in response to the route update signal, transmitting a traffic channel assignment hand-off signal from the EV-DO system to the hybrid access terminal;

[[d)] determining whether or not a response signal for the traffic channel assignment hand-off signal is transmitted from the hybrid access terminal to the EV-DO system; [[and]]

[[e)] re-transmitting [[a)] the traffic channel assignment signal from the EV-DO system to the hybrid access terminal if [[the]] no response signal is [[not]] transmitted from the hybrid access terminal to the EV-DO system;

after the response signal for the traffic channel assignment signal is received from the hybrid access terminal by the EV-DO system, sending a reverse traffic channel signal from the EV-DO system to the hybrid access terminal;

determining whether or not a traffic channel completion signal is transmitted from the

hybrid access terminal to the EV-DO system in response to the reverse traffic channel signal; re-transmitting the traffic channel assignment signal from the EV-DO system to the hybrid access terminal if no traffic channel completion signal is transmitted from the hybrid access terminal to the EV-DO system in response to the reverse traffic channel signal; and after the traffic channel completion signal is received from the hybrid access terminal by the EV-DO system, sending a neighbor base station list from the EV-DO system to the hybrid access terminal, thereby performing the hand-off.

7. **(currently amended)** The method as claimed in claim 6, wherein, in said performing, step (a) step (a) includes the substeps of the packet data transmission between the EV-DO system and the hybrid access terminal is performed by:

[[i)]] sequentially initializing a 1x mode for making communication with a 1x system and an EV-DO mode for making communication with the EV-DO system of the hybrid access terminal such that the hybrid access terminal stays in an idle state;

[[ii)]] performing a dual monitoring with respect to the 1x mode and the EV-DO mode by using the hybrid access terminal in a state that the hybrid access terminal stays in the idle state; and

[[iii)]] allowing the hybrid access terminal to enter into a traffic state of the EV-DO mode such that a connection and a session are formed between the hybrid access terminal and the EV-DO system, thereby enabling the hybrid access terminal to transmit/receive packet data to/from the EV-DO system.

8-10. (canceled)

11. **(currently amended)** The method as claimed in claim 6, wherein, in said performing step (a), the hybrid access terminal receiving the multimedia data from the EV-DO system is periodically switched into an 1x mode in a predetermined period of time so as to check

whether or not voice signals are received through the 1x system, and returns to an EV-DO mode.

12. **(currently amended)** The method as claimed in claim 6, wherein, in said performing step (a), a TDMA (time division multiple access) method is utilized in a case of a forward link transmitting data from the EV-DO system to the hybrid access terminal so as to transmit a great amount of data, and a CDMA (code division multiple access) method is utilized in a case of a reverse link transmitting data from the hybrid access terminal to the EV-DO system for a plurality of subscribers.